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6	Substitute Form PTO-1449 [PAgenited]	U.S. Department of Commerce Patent and Trademark Office	Attomey's Docket No. 10449-028002	Application No. 10/814,356
Auc	Information Disclosure Statem by Applicant (Use several sheets if necessary)	ppiicant	Applicant Koji Hayashi	
BUTTE	(Use several s (37 CFR § 98(b))	heets if necessary)	Filing Date March 31, 2004	Group Art Unit 2655
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PADEMA			U.S. Pate	ent Documents			
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
8	AA	4,860,272	08/1989	Nishikawa et al.			
8	AB	6,269,059 B1	07/2001	Kuroda, et al.		X	
	AC	6,522,608B1	02/2003	Kuroda, Kazuo			
12	AD	6,755,211 B1	08/2004	Tsukihashi, Akira			
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	Foreign Patent Documents or Published Foreign Patent Applications							
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		Other D	ocuments (include Author, Title, Date, and Place of Publication)
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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademan Office	Attorney's Docket No. 10449-028002	Application No. 10/814,356
	closure Statement	Applicant Koji Hayashi	
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	U.S. Patent Documents						
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7	AA	6,055,216	04/25/00	Shintani	_		
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Substitute Disclosure Form (PTO-1449)

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	Information Disclosure Statement by Applicant	Applicant Koji Hayashi		
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	U.S. Patent Documents						
Examiner Iniţial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	6,587,416	07/01/03	Tsukihashi			
N	AB				•		
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	Foreign Patent Documents or Published Foreign Patent Applications							
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Substitute Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10449-028002	Application No. 10/814,356	
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STHERE'S	U.S. Patent Documents						
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
A	AA	6,570,832	05/27/03	Yamamoto			
	AB	·					
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Attorney's Docket No. 10449-028002	Application No. 10/814,356	
Applicant Koji Hayashi		
Filing Date March 31, 2004	Group Art Unit 2655	

ſ	U.S. Patent Documents							
	Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	9	AA	6,198,707	03/06/01	Yamamoto	_		

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Trans 松Yese	lation
2	AB	1-312736	12/18/1989	Japan	<u> </u>	_	Partial.	
	AC	5-282696	10/29/93	Japan			Partial	
	AD							
	AE							
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MADENARY			U.S. Pater	nt Documents				
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate	
8	AA	6,693,857	02/17/2004	Willis				
P	· AB	6,594,213	07/15/2003	Hayashi				
	AC	6,538,962	03/25/2003	Hyun				
\	AD	6,272,084	08/07/2001	Maeda		\		
	AE	6,219,309	04/17/2001	Kuroda et al.		X		
	AF	5,831,955	11/03/1998	Arataki et al.			\$	
	AG	5,680,379	10/21/1997	Ishida et al.				
X) AH	5,586,093	12/17/1996	Honda et al.	/	\		
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Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes No.	
(7)	AI	0 507 571 .	10/07/1992	Europe				
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.S. Department of Commerce Patent and Trademark Office

Attorney's Docket No. 10449-028002

Application No. 10/814,356

Information Disclosure Statement by Applicant (Use several sheets if necessary)

Applicant Koji Hayashi

Group Art Unit

(37 CFR §1.98(b))

Filing Date March 31, 2004 2655

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
miliai (C).	AA	4,507,767	03/26/85	Takasugi	Class	Subclass	II Appropriate
	AB	4,546,462	10/08/85	Koishi et al.	 \ 		
F-							
	AC	4,800,548	01/24/89	Koishi et al.			-
	AD	4,831,611	05/16/89	Sasaki et al.			•
	AE	4,858,219	08/15/89	Yoshikawa			
	AF	5,010,534	04/23/91	Enari et al.			
	AG	5,161,144	07/03/92	Takeuchi et al.			
	AH	5,170,389	12/08/92	Numata et al.			
	AI	5,212,678	05/18/93	Roth et al.			
	AJ	5,220,545	06/15/93	Tomimitsu		\mathbf{V}	
	AK	5,289,440	02/22/94	Bakx		Y	
	AL	5,305,298	04/19/94	Yokata		1	
	AM	5,317,553	05/31/94	Ohga et al.			
	AN	5,436,875	06/25/95	Shinada .			•
	AO	5,463,607	10/31/95	Roth et al.			
	AP	5,477,516	12/19/95	Takezawa			
	AQ	5,491,677	02/13/96	Sasaki			
	AR	5,521,893	05/28/96	Yamasaki			
	AS	5,532,991	07/02/96	Sasaki			
	AT	5,692,366	12/02/97	Hardesty			
	ΔŪ	5,745,445	04/28/98	Yasukohchi et al.			
	· AV	5,815,472	09/29/98	Kuroda et al.			
	AW	5,818,801	10/06/98	Watanabe et al.			
	AX	5,910,935	06/08/99	Takagi et al.			
	AY	5,953,291	09/14/99	Yasukohchi et al.			
	AZ	6,055,216	04/25/00	Shintani			
	AAA	6,084,731	07/04/00	Uchida et al.	1		

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U.S. Department of Commerce

Attorney's Docket No. 10449-028002

Application No. 10/814,356

Information Disclosure Statement by Applicant (Use several sheets if necessary)

Applicant Filing Date

Koji Hayashi

Group Art Unit 2655

(37 CFR §1.98(b))

March 31, 2004

U.S. Patent Documents								
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate	
\mathcal{C}	ABB	6,115,337	09/05/00	Takagi et al.		,		
9	ACC	6,208,599	03/27/01	Misao Fukuda				
	ADD	6,272,084	08/07/01	Maeda		/		
	AEE	6,438,083	08/20/02	Kroon				
	AFF	6,487,616	11/26/02	Hayashi		X	gr.	
	AGG	6,538,962	03/25/03	Hyun				
	АНН	6,584,053	06/24/03	Tsukihashi				
4/	AII	6,594,213	06/15/03	Hayashi				

Examiner	Desig.	Document	Publication	Country or			Trans	lation
Initial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No
	AJJ	0 507 571	10/07/92	Europe	<u> </u>	/		
P	AKK	0 974 966	01/26/00	Europe				
	ALL	2-223066	09/05/90	Japan				
	AMM	3-228266	10/09/91	Japan				
	ANN	4-103079	04/06/92	Japan				
	AOO	8-147879	06/07/96	Japan				
	APP	10-49990	02/20/98	Japan		$\setminus /$		
	AQQ	10-63433	03/06/98	Japan		\bigvee		
	ARR	11-259982	09/24/99	Japan		λ		
	ASS	63-52393	03/05/88	Japan		/ \		
	ATT	2000-40302	02/08/00	Japan				
	AUU	H11-66745	03/09/99	Japan	7			
	AVV	JP-1312736 Abstract only	12/18/89	Japan				
	AWW	JP-3260958 Abstract only	11/20/91	Japan				
\mathscr{Y}	AXX	JP-6076401 Abstract only	03/18/94	Japan				

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Substitute Form 10-1449 (Modified) U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10449-028002	Application No. 10/814,356
Information Disclosure Statement by Applicant	Applicant Koji Hayashi	•
 (Use several sheets if necessary) (37 CFR §1.98(b))	Filing Date March 31, 2004	Group Art Unit 2655

Foreign Patent Documents or Published Foreign Patent Applications								
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Initial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No
\mathcal{G}	AYY	JP-6162511 Abstract only	06/10/94	Japan				
7	AZZ	JP-10241165 Abstract only	09/11/98	Japan		X		
	AAAA	1998-028125	07/15/98	Korea				
	ABBB	1999-024893	04/06/99	Korea			_	

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